

CURRICULUM VITAE

Scott T. Clay-Poole, Ph.D.

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Education Paleoecology	University of Washington	1992-5	Post-Doctoral Research - Tertiary Pollen
	Northern Arizona University	1989	Ph.D. Botany
	University of Washington	1988	Summer internship - Pollen/Tertiary Era
	Scripps Institute of Oceanography	1986	Summer internship - Radiolaria/Cenozoic Epoch
	Western Washington University	1984	M.S. Biology
	Western Washington University	1983	Elementary and Secondary Teaching Credential, Natural Sciences, State of Washington
	San Diego State University	1975	B.S. Botany

Positions Held

Wetlands Biologist/Communications, Environmental Affairs Office,
Washington State Department of Transportation, Olympia
May, 1991 to present

Teaching Assistantship, General Biology, General Botany
Northern Arizona University, Flagstaff, Arizona
Fall semester, 1988 - Spring semester, 1989

Research Assistantship, BioGeological Sciences, Northern Arizona University
Micropaleontology Duties, Academic Years 1986 - 1988

Instructorship, General Biology, Western Washington University,
Bellingham, Washington, Spring Quarter, 1983
General Biology, full responsibility, plus 2 laboratories

Teaching Assistantship, General Biology
Western Washington University, Bellingham, Washington
Academic years 1981-1982, 1982-1983

Research

Post-Doctoral Research, Tertiary pollen flora. Corroboration on two articles with
Dr. Estella Leopold, Botany Dept., University of Washington (1992 to present).

Dissertation, Pollen flora and paleoecology of Holocene alluvial Tsegi and Naha
Formations, northeast Arizona. Involves reconstruction of the climate during the stream
depositional period (Holocene) of the alluvium utilizing the extracted and analyzed fossil
pollen.

Radiolaria, Nassellaria; organizing an identification key of Cenozoic Nassellaria fossils.
Scripps Institute of Oceanography, La Jolla, California.
Summer, 1986 to Fall, 1988.

Micropalaeontology, synthesizing a book on Cenozoic micropalaeontology dealing with
identification and extraction procedures of microfossils including glossary and literature.
Taxa include pollen, radiolaria, foraminifera, calcareous nannofossils, tintinnids,
chitinozoa, dinoflagellates, diatoms and archeomonads. Ongoing.

Quaternary palaeoecology (pollen), Includes pollen extractions, identification and
interpretation. United States National Park Service contracts, Glen Canyon National
Recreation Area, Academic years 1984-1985, 1985-1986.

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University of Washington

M.S. Thesis, Western Washington University, Phenology of airborne pollen, Spring, 1983, Bellingham, Washington. Study involving pollen temporal relationships and the climatic conditions most favorable for airborne pollen flow, including humidity, temperature, time, wind speed and direction.

Other Positions

Greenhouse Technician, Department of Biological Sciences
Northern Arizona University, Flagstaff, Arizona.
Academic years 1986-1988.

Contract pollen extraction and analysis (Cenozoic epoch only)
Pollen Laboratory, Department of Biological Sciences
Northern Arizona University, Flagstaff, Arizona
Spring 1984 - 1989.

Scanning Electron Micrography (photography and development)
Biology Department, Western Washington University
Bellingham, Washington, 1981-1984.

Courses Taught or Prepared to Teach

General Biology
General Botany
Plant Taxonomy

Wetlands Biology
Pollination Ecology

Palynology (Cenozoic)
Micropaleontology (Cenozoic)

Refereed Publications/ Reports

1995. Leopold, E.S. and S.T. Clay-Poole. Floristic comparison of fossil leaves with pollen/spore identifications from the Florissant Formation, central Colorado. Geological Society of America, *Volcanoes, Sequoias and Tsetse Flies*.
1994. Leopold, E.S. and S.T. Clay-Poole. Floristic comparison of fossil leaves with pollen/spore identifications from the Florissant Formation, central Colorado. Abstract: Geological Society of America Symposium, *Volcanoes, Sequoias and Tsetse Flies*. May, 1994. Durango, Colorado.
1992. Leopold, E.S., G. Liu and S.T. Clay-Poole. Low-biomass vegetation in the Oligocene? In D.R. Prothero and W.A. Berggren (eds.), *Eocene-Oligocene Climatic and Biotic Evolution*, Ch. 22, pp. 399-420.
1992. Jarvis, D.I. and S.T. Clay-Poole. A comparison of modern pollen rain and vegetation in southwestern Sichuan Province, China. *Review of Palaeobotany and Palynology* **75**:239-258.
1990. Clay-Poole, S.T. Calcium dissolution and clay flocculant removal in pollen extractions from sediments of the arid Southwest, U.S.A. *Journal of Paleontology* **64**(3):483-484.
1990. Hevly, R.H., S.T. Clay-Poole and G. Judges-Edwards. Alluvial Pollen in the Bowns-Bechan Drainage and on the Southern Colorado Plateau, Phase III Report. In Agenbroad, L. (ed.), Quaternary Studies: Glen Canyon National Recreation Area and Canyonlands National Park, Annual Report to Department of the Interior, National Park Service, Glen Canyon National Recreation Area, contract number CX-1200-4-A062.

Scott T. Clay-Poole

University of Washington

1987. Hevly, R. H. and S. T. Clay-Poole. Alluvial Holocene Pollen and Palaeoecology of Bowns Canyon Glen Canyon National Recreation Area, South Central Utah, Phase II Report. *In* Agenbroad, L. (ed.), Quaternary Studies: Glen Canyon National Recreation Area and Canyonlands National Park, Annual Report to Department of the Interior, National Park Service, Glen Canyon National Recreation Area, contract number CX-1200-4-A062.
1986. Hevly, R. H. and S.T. Clay-Poole. Alluvial Holocene Pollen and Palaeoecology of Bowns Canyon Glen Canyon National Recreation Area, South Central Utah, Phase I Report. *In* Agenbroad, L. (ed.), Quaternary Studies: Glen Canyon National (c) Recreation Area and Canyonlands National Park, Annual Report to Department of the Interior, National Park Service, Glen Canyon National Recreation Area, contract number CX-1200-4-A062.
1984. Reinhard, K.J., R.H. Hevly, S. Clay-Poole, C. Halbirt. Pollen from human feces, Dust Devil Cave. Presented at the 19th biennial Great Basin Anthropological Conferences.
1983. Clay-Poole, S.T. and I. Slesnick. The Beauty and Biology of Pollen. *American Biology Teacher*. **45**(7):366-370.
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Articles(s) in Review	Clay-Poole, S.T., R.H. Hevly and T.N.V. Karlstrom. Pollen flora and paleoecology of Holocene alluvial Tsegi and Naha Formations, northeast Arizona. <i>In Palynology</i> .
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Articles in Progress	Clay-Poole, S.T. A less dangerous replacement for hydrofluoric acid in the extraction of pollen from silicate-containing sediments.
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Computer Skills	Extensive knowledge of the following software packages: Word Processing - Microsoft Word 5.1, Spreadsheet - Excel 4.0, Drawing/Graphics - Canvas 3.5, Photoshop 3.0, Presentation Communications - Aldus Persuasion 3.0. Also responsible for Internet World Wide Web Home Page of Environmental Affairs Office of Washington State Dept. of Transportation [http://www.wsdot.wa.gov/eesc/environmental/] knowledge of HTML (Hypertext Markup Language)
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Academic References	<div>Dr. Estella Leopold*** Department of Botany KB-15 University of Washington Seattle, Washington 98195 Office: (206) 685-1151 Home: (206) 524-3042 E-mail: ELeopold@U.Washington.edu</div> <div>Dr. J. Dale Nations** Department of Geology Northern Arizona University Flagstaff, Arizona 86011 Office: (602) 523-4561 Home: (602) 774-2542</div>	<div>Dr. Richard Hevly* Department of Biological Sciences Northern Arizona University Flagstaff, Arizona 86011-5640 Office: (602) 523-2381 Home: (602) 525-1249</div> <div>Dr. Thor N.V. Karlstrom** 561 Klamath Way La Conner, Washington Home: (206) 466-4249</div>
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*Dissertation Committee Chair

**Dissertation Committee Member

***Post-Doc Professor